US009612088B2

(12) **United States Patent**
Theriault

(10) **Patent No.: US 9,612,088 B2**
(45) **Date of Patent: Apr. 4, 2017**

(54) **SHOOTING SYSTEM WITH AIM ASSIST**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **14/271,230**

(22) Filed: **May 6, 2014**

(65) **Prior Publication Data**

US 2015/0323286 A1 Nov. 12, 2015

(51) **Int. Cl.**

F41G 3/12	(2006.01)
F41G 3/00	(2006.01)
F42B 12/38	(2006.01)
F41C 27/22	(2006.01)
F41G 1/00	(2006.01)
F41G 3/06	(2006.01)

(Continued)

(52) **U.S. Cl.**

CPC ***F41G 3/12*** (2013.01); ***F41C 27/22*** (2013.01); ***F41G 3/00*** (2013.01); ***F42B 12/38*** (2013.01); *F41G 1/00* (2013.01); *F41G 3/06* (2013.01); *F41G 3/08* (2013.01); *F41G 3/142* (2013.01)

(58) **Field of Classification Search**

CPC ... Y10T 24/2128; Y10T 24/7128; F41G 3/08; F41G 3/10; F41G 3/142; F41G 3/12; F41G 3/00; F41G 1/00; F41G 3/06; F41C 27/22; F42B 12/38

USPC 235/404; 42/111, 115; 89/127, 132, 133, 89/114.3, 14.3, 37.08, 37.09, 41.02, 89/41.01, 41.14, 41.15, 41.17, 41.22, 202, 89/203, 204, 205, 41.09

See application file for complete search history.

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(57) **ABSTRACT**

A shooting system for improving the accuracy of a shot at a target as fired from a hand-held firearm. The shooting system can comprise a targeting system operable with the firearm, the targeting system operable with one or more sensors to obtain targeting information pertaining to a target. The targeting system can further determine an optimal aiming vector and an aim deviation of the optimal aiming vector from an actual aiming vector based on the targeting information. The shooting system can further comprise an aim assist system in communication with the targeting system that functions to receive information corresponding to the aim deviation, the aim assist system comprising a momentum transfer system supported by the firearm and operable to induce a motion within the firearm to manipulate the actual aiming vector of the firearm and to correct for the aim deviation.

9 Claims, 6 Drawing Sheets